

Appl. No. 10/526,126
Reply to Office Action of November 15, 2006

RECEIVED
CENTRAL FAX CENTER
JAN 31 2007

REMARKS/ARGUMENTS

Claim 1 is amended as suggested by the Examiner.
Furthermore, the features of claim 2 are in claim 1 so that original claim 2 is the new main claim, presented as claim 1 (amended).

Claim 2 has been canceled and the dependency of claim 3 is therefore changed to claim 1.

Claims 1-3 and 5-11 are rejected under 35 U.S.C. 102(e) as being anticipated by Duthaler (Duthaler et al., US 6,506,438). There is neither disclosure nor suggestion in Duthaler that the organic thin-film transistor is manufactured by the process as claimed comprising the step in which heat treating is carried out at a heating temperature between the phase transition temperature of the organic semiconducting materials and the glass transition point of the resins. In the rejection of claim 2, the Examiner correctly noted that the claim is directed to an organic thin layer transistor and not a method of making it. However, in this case, the process step of claim 2 does affect the resulting device in a tangible way, as compared with devices made without

Appl. No. 10/526,126
Reply to Office Action of November 15, 2006

the process step. This can be seen from the results of testing reported in the specification.

More specifically, attention is directed to the results reported in Table 1 in the specification. A comparison of the results reported in Table 1 of the EXAMPLES of the Specification, provide evidence that the inventive organic thin-film transistor samples, manufactured by the process comprising the heat treating step as claimed, provide greater carrier mobility. This is the object of the present invention and is surprising in view of the art (see also pages 1-3 of the present application) which does not have this effect. Therefore, the present invention is different from the cited art, and not anticipated thereby.

Combining Sirringhaus does not render the invention obvious. Nowhere is it suggested that the heat treating step will result in a transistor with greater mobility. Nor is a transistor having the greater carrier mobility shown or suggested. Thus, combining it with Duthaler cannot render the present invention obvious.

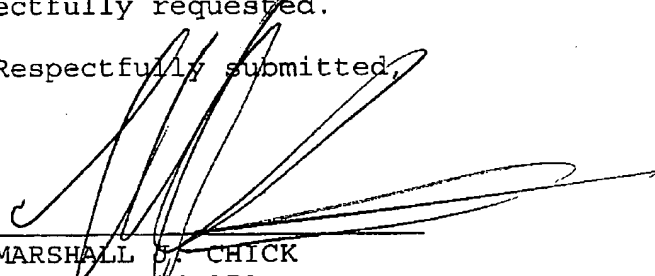
In view of the above, it is submitted that the process steps of the present invention as claimed impart unexpectedly good results to the claimed product which are not shown or suggested

Appl. No. 10/526,126
Reply to Office Action of November 15, 2006

by the art. Withdrawal of the rejections and allowance of the
application are therefore respectfully requested.

Frishauf, Holtz, Goodman
& Chick, P.C.
220 Fifth Ave., 16th Floor
New York, NY 10001-7708
Tel. No. (212) 319-4900
Fax No.: (212) 319-5101
MJC/ld

Respectfully submitted,



MARSHALL S. CHICK
Reg. No. 26,853